

*Application No. 09/821,410*  
*Amndt. dated: November 1, 2005*  
*Reply to Office Action mailed: August 18, 2005*

**REMARKS/ARGUMENTS:**

Claims 1-6, 8-16, 18, 20-32, 34-45, and 47-52 are pending in the application. In this amendment, claims 1-3, 5, 6, 9-16, 20-26, 31, 34-36, 39 and 47-50 have been amended to address objections and grounds of rejection under 35 USC 112 set forth in the Office Action, taking into account comments in the Advisory Action, and claim 19 has been cancelled. No claims have been added.

The Examiner's comments in the Advisory Action that "the claimed subject matter introduced into the amendment of claims 1, 16 and 39 raises new issues that would require further consideration and/or search" is not understood because the amendments of those claims follow directly from commentary by the Examiner in the Office Action, particularly at pages 3 and 4. In addition, although in Section 3 of the Advisory Action it is stated that amendment of claim 39 raises new issues, Section 5 is read as stating the objections to claim 39 and the rejections of claim 39 under Section 112, first paragraph and Section 112, second paragraph have been overcome. Clarification would be appreciated if the claims are held not to be in condition for allowance.

**Claim Objections – Office Action Section 1.**

The Examiner is thanked for noting various informalities in the claims. The expression "transmission media channel" has been used consistently throughout the claims, in line with the Examiner's proposal. The changes suggested by the Examiner in claim 6 have been made and the same changes have been made in claim 5. Claim 18 has been made dependent from claim 16. The remaining changes suggested by the Examiner have also been made, including . Claims 1-6, 8-16, 18, 20-32, 34, 35, and 47-52 are believed not to be subject to the objections.

**Claim Rejections under 35 US 112, first paragraph – Office Action Section 3.**

To expedite prosecution to allowance of the application, claims 1, 9, 16, 26, and 39 have been amended taking into account the comments made by the Examiner. It is believed all of the rejections under 37 CFR 112, first paragraph have been satisfied.

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**Claim Rejections under 35 US 112, second paragraph – Office Action Section 5.**

In amended claim 1, "T", "k", and "N" are now defined, consistent with the Examiner's comments related to claim 1 in the paragraph bridging pages 3 and 4 of the Office Action mailed August 18, 2005.

Claim 16 as amended to incorporate subject matter from claim 19 (now cancelled) recites "an estimated impulse response" which provides antecedent basis for the recitation "the estimated impulse response" in claims 20-25.

The rejection of claim 39 has been addressed by reciting "a known training signal sequence" in line 3.

**Double Patenting**

Claim 34 has been made dependent from claim 27 and the word "processor" has been changed to - -DSP-- to overcome the rejection.

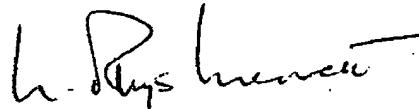
**CONCLUSION.**

It is believed all objections and grounds of rejection raised in the Office Action have been addressed and are not applicable to claims 1-6, 8-16, 18-32, 34-45, and 47-52 all of which are believed to be in condition for allowance.

Favorable consideration and early allowance of the application are respectfully solicited. If there are any remaining issues that could be resolved by discussion, a telephone call to the undersigned attorney at (425) 402-4638 would be appreciated.

Date: November 1, 2005  
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Respectfully submitted,



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